

SEQUENCE LISTING

<110> Conklin, Darrell C.
Haldeman, Betty A.

<120> MAMMALIAN CYTOKINE-LIKE POLYPEPTIDE-10

<130> 97-72

<150> 09/199,586

<151> 1998-11-25

<150> 60/066,597

<151> 1997-11-26

<160> 43

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 926

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (45)...(572)

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Ser Leu Ala Phe Ser Leu Leu Ser Ala Ala Phe Tyr Leu Leu Trp Thr	
5 10 15 20	
cct tcc act gga ctg aag aca ctc aat ttg gga agc tgt gtg atc gcc	152
Pro Ser Thr Gly Leu Lys Thr Leu Asn Leu Gly Ser Cys Val Ile Ala	
25 30 35	
aca aac ctt cag gaa ata cga aat gga ttt tct gac ata cgg ggc agt	200

Thr Asn Leu Gln Glu Ile Arg Asn Gly Phe Ser Asp Ile Arg Gly Ser	
40 45 50	
gtg caa gcc aaa gat gga aac att gac atc aga atc tta agg agg act	248
Val Gln Ala Lys Asp Gly Asn Ile Asp Ile Arg Ile Leu Arg Arg Thr	
55 60 65	
gag tct ttg caa gac aca aag cct gcg aat cga tgc tgc ctc ctg cgc	296
Glu Ser Leu Gln Asp Thr Lys Pro Ala Asn Arg Cys Cys Leu Leu Arg	
70 75 80	
cat ttg cta aga ctc tat ctg gac agg gta ttt aaa aac tac cag acc	344
His Leu Leu Arg Leu Tyr Leu Asp Arg Val Phe Lys Asn Tyr Gln Thr	
85 90 95 100	
cct gac cat tat act ctc cgg aag atc agc agc ctc gcc aat tcc ttt	392
Pro Asp His Tyr Thr Leu Arg Lys Ile Ser Ser Leu Ala Asn Ser Phe	
105 110 115	
ctt acc atc aag aag gac ctc cgg ctc tgt cat gcc cac atg aca tgc	440
Leu Thr Ile Lys Lys Asp Leu Arg Leu Cys His Ala His Met Thr Cys	
120 125 130	
cat tgt ggg gag gaa gca atg aag aaa tac agc cag att ctg agt cac	488
His Cys Gly Glu Glu Ala Met Lys Lys Tyr Ser Gln Ile Leu Ser His	
135 140 145	
ttt gaa aag ctg gaa cct cag gca gca gtt gtg aag gct ttg ggg gaa	536
Phe Glu Lys Leu Glu Pro Gln Ala Ala Val Val Lys Ala Leu Gly Glu	
150 155 160	
cta gac att ctt ctg caa tgg atg gag gag aca gaa taggagaaa	582
Leu Asp Ile Leu Leu Gln Trp Met Glu Glu Thr Glu	
165 170 175	
gtgatgctgc tgctaagaat attcgaggtc aagagctcca gtcttcaata cctgcagagg	642
aggcatgacc ccaaaccacc atctctttac tgtactagtc ttgtgctggt cacagtgtat	702
cttatttatg cattacttgc ttccttgcatt gattgtcttt atgcatcccc aatcttaatt	762
gagaccatac ttgtataaga tttttgtaat atctttctgc tattggatat atttattagt	822
taatataattt atttattttt tgctattaat gtatttaatt ttttacttgg gcatgaaact	882
ttaaaaaaaaaa ttcacaagat tatattttata acctgactag agca	926

<211> 176
 <212> PRT
 <213> Homo sapiens

<400> 2

Met	Lys	Ala	Ser	Ser	Leu	Ala	Phe	Ser	Leu	Leu	Ser	Ala	Ala	Phe	Tyr
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Leu	Leu	Trp	Thr	Pro	Ser	Thr	Gly	Leu	Lys	Thr	Leu	Asn	Leu	Gly	Ser
			20					25					30		
Cys	Val	Ile	Ala	Thr	Asn	Leu	Gln	Glu	Ile	Arg	Asn	Gly	Phe	Ser	Asp
		35					40					45			
Ile	Arg	Gly	Ser	Val	Gln	Ala	Lys	Asp	Gly	Asn	Ile	Asp	Ile	Arg	Ile
	50					55					60				
Leu	Arg	Arg	Thr	Glu	Ser	Leu	Gln	Asp	Thr	Lys	Pro	Ala	Asn	Arg	Cys
65					70					75				80	
Cys	Leu	Leu	Arg	His	Leu	Leu	Arg	Leu	Tyr	Leu	Asp	Arg	Val	Phe	Lys
				85					90					95	
Asn	Tyr	Gln	Thr	Pro	Asp	His	Tyr	Thr	Leu	Arg	Lys	Ile	Ser	Ser	Leu
			100					105					110		
Ala	Asn	Ser	Phe	Leu	Thr	Ile	Lys	Lys	Asp	Leu	Arg	Leu	Cys	His	Ala
		115					120						125		
His	Met	Thr	Cys	His	Cys	Gly	Glu	Glu	Ala	Met	Lys	Lys	Tyr	Ser	Gln
	130					135					140				
Ile	Leu	Ser	His	Phe	Glu	Lys	Leu	Glu	Pro	Gln	Ala	Ala	Val	Val	Lys
145					150					155				160	
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<210> 3
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<220>

<221> CDS

<222> (45)...(497)

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793

<210> 4

<211> 151

<212> PRT

<213> Homo sapiens

<400> 4

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 1          5          10          15
Leu Leu Trp Thr Pro Ser Thr Gly Leu Lys Thr Leu Asn Leu Gly Ser
 20          25          30
Cys Val Ile Ala Thr Asn Leu Gln Glu Ile Arg Asn Gly Phe Ser Asp
 35          40          45
Ile Arg Gly Ser Val Gln Ala Lys Asp Gly Asn Ile Asp Ile Arg Ile
 50          55          60
Leu Arg Arg Thr Glu Ser Leu Gln Asp Thr Lys Pro Ala Asn Arg Cys
 65          70          75          80
Cys Leu Leu Arg His Leu Leu Arg Leu Tyr Leu Asp Arg Val Phe Lys
 85          90          95
Asn Tyr Gln Thr Pro Asp His Tyr Thr Leu Arg Lys Ile Ser Ser Leu
100          105          110
Ala Asn Ser Phe Leu Thr Ile Lys Lys Asp Leu Arg Leu Cys Leu Glu
115          120          125
Pro Gln Ala Ala Val Val Lys Ala Leu Gly Glu Leu Asp Ile Leu Leu
130          135          140
Gln Trp Met Glu Glu Thr Glu
145          150

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<210> 5

<211> 253

<212> DNA

<213> Homo sapiens

<400> 5

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agacactcaa tttggaagc tgtgtgatcg ccacaaacct tcaggaaata cgaaatggat      180
tttctgagat acggggcagt gtgcaagcca aagatggaaa cattgacatc agaatcttaa      240
ggaggactga gtc                                     253

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<210> 6

<211> 24

<212> DNA

<213> Homo sapiens

<400> 6

attcctagct cctgtggtct ccag

24

<210> 7

<211> 25

<212> DNA

<213> Homo sapiens

<400> 7

ctctgctgcg ttttatctcc tatgg

25

<210> 8

<211> 22

<212> DNA

<213> Homo sapiens

<400> 8

tcccaaattg agtgtcttca gt

22

<210> 9

<211> 45

<212> DNA

<213> Homo sapiens

<400> 9

cacagcttcc caaattgagt gtcttcagtc cagtggaagg agtcc

45

<210> 10

<211> 747

<212> DNA

<213> Homo sapiens

<400> 10

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aggaggactg agtctttgca agacacaaag cctgccaatc gatgctgcct cctgcgccat	120
ttgctaagac tctatctgga cagggtattht aaaaactacc agaccctga ccattatact	180
ctccggaaga tcagcagcct cgccaattcc tttcttacca tcaagaagga cctccggctc	240
tgtcatgccc acatgacatg ccattgtggg gaggaagcaa tgaagaaata cagccagatt	300
ctgagtcact ttgaaaagct ggaacctcag gcagcagttg tgaaggcttt gggggaacta	360
gacattcttc tgcaatggat ggaggagaca gaataggagg aaagtgatgc tgctgctaag	420

aatattcgag	gtcaagagct	ccagtcttca	atacctgcag	aggaggcatg	accccaaacc	480
accatctctt	tactgtacta	gtcttgtgct	ggtcacagtg	tatcttattt	atgcattact	540
tgcttccttg	catgattgtc	tttatgcata	cccaatctta	attgagacca	tacttgtata	600
agatTTTTgt	aatatctttc	tgctattgga	tatatTTtatt	agttaatatata	tttattttatt	660
TTTTgctatt	aatgtattta	attttttact	tgggcatgaa	acttttaaaaa	aaattcacaa	720
gattatattt	ataacctgac	tagagca				747

<210> 11

<211> 614

<212> DNA

<213> Homo sapiens

<400> 11

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ttgctaagac	tctatctgga	caggggtattt	aaaaactacc	agaccctga	ccattatact	180
ctccggaaga	tcagcagcct	cgccaattcc	tttcttacca	tcaagaagga	cctccggctc	240
tgtctggaac	ctcaggcagc	agttgtgaag	gctttggggg	aactagacat	tcttctgcaa	300
tggatggagg	agacagaata	ggaggaaagt	gatgctgctg	ctaagaatat	tcgagggtcaa	360
gagctccagt	cttcaatacc	tgcagaggag	gcatgacccc	aaaccaccat	ctctttactg	420
tactagtctt	gtgctgggtca	cagtgtatct	tatttatgca	ttacttgctt	ccttgcata	480
ttgtctttat	gcaccccaa	tcttaattga	gaccatactt	gtataagatt	tttgtaatat	540
ctttctgcta	ttggatatat	ttattagtta	atatatttat	ttattttttg	ctattaatgt	600
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<210> 12

<211> 152

<212> PRT

<213> Homo sapiens

<400> 12

Leu	Lys	Thr	Leu	Asn	Leu	Gly	Ser	Cys	Val	Ile	Ala	Thr	Asn	Leu	Gln
1			5						10					15	
Glu	Ile	Arg	Asn	Gly	Phe	Ser	Asp	Ile	Arg	Gly	Ser	Val	Gln	Ala	Lys
			20					25					30		
Asp	Gly	Asn	Ile	Asp	Ile	Arg	Ile	Leu	Arg	Arg	Thr	Glu	Ser	Leu	Gln
		35				40					45				
Asp	Thr	Lys	Pro	Ala	Asn	Arg	Cys	Cys	Leu	Leu	Arg	His	Leu	Leu	Arg
	50				55				60						
Leu	Tyr	Leu	Asp	Arg	Val	Phe	Lys	Asn	Tyr	Gln	Thr	Pro	Asp	His	Tyr
65				70					75					80	
Thr	Leu	Arg	Lys	Ile	Ser	Ser	Leu	Ala	Asn	Ser	Phe	Leu	Thr	Ile	Lys
			85					90						95	

Lys Asp Leu Arg Leu Cys His Ala His Met Thr Cys His Cys Gly Glu
 100 105 110
 Glu Ala Met Lys Lys Tyr Ser Gln Ile Leu Ser His Phe Glu Lys Leu
 115 120 125
 Glu Pro Gln Ala Ala Val Val Lys Ala Leu Gly Glu Leu Asp Ile Leu
 130 135 140
 Leu Gln Trp Met Glu Glu Thr Glu
 145 150

<210> 13
 <211> 127
 <212> PRT
 <213> Homo sapiens

<400> 13

Leu Lys Thr Leu Asn Leu Gly Ser Cys Val Ile Ala Thr Asn Leu Gln
 1 5 10 15
 Glu Ile Arg Asn Gly Phe Ser Asp Ile Arg Gly Ser Val Gln Ala Lys
 20 25 30
 Asp Gly Asn Ile Asp Ile Arg Ile Leu Arg Arg Thr Glu Ser Leu Gln
 35 40 45
 Asp Thr Lys Pro Ala Asn Arg Cys Cys Leu Leu Arg His Leu Leu Arg
 50 55 60
 Leu Tyr Leu Asp Arg Val Phe Lys Asn Tyr Gln Thr Pro Asp His Tyr
 65 70 75 80
 Thr Leu Arg Lys Ile Ser Ser Leu Ala Asn Ser Phe Leu Thr Ile Lys
 85 90 95
 Lys Asp Leu Arg Leu Cys Leu Glu Pro Gln Ala Ala Val Val Lys Ala
 100 105 110
 Leu Gly Glu Leu Asp Ile Leu Leu Gln Trp Met Glu Glu Thr Glu
 115 120 125

<210> 14
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 14

Ile Ala Thr Asn Leu Gln Glu Ile Arg Asn Gly Phe Ser Asp Ile
 1 5 10 15

<210> 15
 <211> 15

<212> PRT

<213> Homo sapiens

<400> 15

Leu	Asp	Arg	Val	Phe	Lys	Asn	Tyr	Gln	Thr	Pro	Asp	His	Tyr	Thr
1				5				10					15	

<210> 16

<211> 15

<212> PRT

<213> Homo sapiens

<400> 16

Leu	Ala	Asn	Ser	Phe	Leu	Thr	Ile	Lys	Lys	Asp	Leu	Arg	Leu	Cys
1				5				10					15	

<210> 17

<211> 15

<212> PRT

<213> Homo sapiens

<400> 17

Val	Val	Lys	Ala	Leu	Gly	Glu	Leu	Asp	Ile	Leu	Leu	Gln	Trp	Met
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<210> 18

<211> 824

<212> DNA

<213> Mus musculus

<220>

<221> CDS

<222> (71)...(598)

<400> 18

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	Met Lys Gly Phe Gly Leu Ala Phe Gly Leu Phe Ser Ala					
	1	5		10		

gtg ggt ttt ctt ctc tgg act cct tta act ggg ctc aag acc ctc cat	157
Val Gly Phe Leu Leu Trp Thr Pro Leu Thr Gly Leu Lys Thr Leu His	
15	20
	25

ttg gga agc tgt gtg att act gca aac cta cag gca ata caa aag gaa Leu Gly Ser Cys Val Ile Thr Ala Asn Leu Gln Ala Ile Gln Lys Glu 30 35 40 45	205
ttt tct gag att cgg gat agt gtg caa gct gaa gat aca aat att gac Phe Ser Glu Ile Arg Asp Ser Val Gln Ala Glu Asp Thr Asn Ile Asp 50 55 60	253
atc aga att tta agg acg act gag tct ttg aaa gac ata aag tct ttg Ile Arg Ile Leu Arg Thr Thr Glu Ser Leu Lys Asp Ile Lys Ser Leu 65 70 75	301
gat agg tgc tgc ttc ctt cgt cat cta gtg aga ttc tat ctg gac agg Asp Arg Cys Cys Phe Leu Arg His Leu Val Arg Phe Tyr Leu Asp Arg 80 85 90	349
gta ttc aaa gtc tac cag acc cct gac cac cat acc ctg aga aag atc Val Phe Lys Val Tyr Gln Thr Pro Asp His His Thr Leu Arg Lys Ile 95 100 105	397
agc agc ctc gcc aac tcc ttt ctt atc atc aag aag gac ctc tca gtc Ser Ser Leu Ala Asn Ser Phe Leu Ile Ile Lys Lys Asp Leu Ser Val 110 115 120 125	445
tgt cat tct cac atg gca tgt cat tgt ggg gaa gaa gca atg gag aaa Cys His Ser His Met Ala Cys His Cys Gly Glu Glu Ala Met Glu Lys 130 135 140	493
tac aac caa att ctg agt cac ttc ata gag ttg gaa ctt cag gca gcg Tyr Asn Gln Ile Leu Ser His Phe Ile Glu Leu Glu Leu Gln Ala Ala 145 150 155	541
gtg gta aag gct ttg gga gaa cta ggc att ctt ctg aga tgg atg gag Val Val Lys Ala Leu Gly Glu Leu Gly Ile Leu Leu Arg Trp Met Glu 160 165 170	589
gag atg cta tagatgaaag tggagaggct gctgagaaca ctcctgtcca Glu Met Leu 175	638
agaatctcag acctcagcac catgaagaca tggccccagg tgctggcatt tctactcaag	698

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agttccagtc ctcagcacca cgaagatggc ctcaaaccac caccctttg tgatataact 758
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tgtgtc 824

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<210> 19
<211> 176
<212> PRT
<213> Mus musculus

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<400> 19
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Leu Leu Trp Thr Pro Leu Thr Gly Leu Lys Thr Leu His Leu Gly Ser
 20          25          30
Cys Val Ile Thr Ala Asn Leu Gln Ala Ile Gln Lys Glu Phe Ser Glu
 35          40          45
Ile Arg Asp Ser Val Gln Ala Glu Asp Thr Asn Ile Asp Ile Arg Ile
 50          55          60
Leu Arg Thr Thr Glu Ser Leu Lys Asp Ile Lys Ser Leu Asp Arg Cys
65          70          75          80
Cys Phe Leu Arg His Leu Val Arg Phe Tyr Leu Asp Arg Val Phe Lys
 85          90          95
Val Tyr Gln Thr Pro Asp His His Thr Leu Arg Lys Ile Ser Ser Leu
100          105          110
Ala Asn Ser Phe Leu Ile Ile Lys Lys Asp Leu Ser Val Cys His Ser
115          120          125
His Met Ala Cys His Cys Gly Glu Glu Ala Met Glu Lys Tyr Asn Gln
130          135          140
Ile Leu Ser His Phe Ile Glu Leu Glu Leu Gln Ala Ala Val Val Lys
145          150          155          160
Ala Leu Gly Glu Leu Gly Ile Leu Leu Arg Trp Met Glu Glu Met Leu
165          170          175

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<210> 20
<211> 152
<212> PRT
<213> Mus musculus

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<400> 20
Leu Lys Thr Leu His Leu Gly Ser Cys Val Ile Thr Ala Asn Leu Gln
 1          5          10          15
Ala Ile Gln Lys Glu Phe Ser Glu Ile Arg Asp Ser Val Gln Ala Glu
 20          25          30

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[illegible]

<210> 21

<211> 16

<212> PRT

<213> Mus musculus: 100.00%

<400> 21

Ile Thr Ala Asn Leu Gln Ala Ile Gln Lys Glu Phe Ser Glu Ile Arg
1 5 10 15

<210> 22

<211> 15

<212> PRT

<213> Mus musculus

<400> 22

Leu Asp Arg Val Phe Lys Val Tyr Gln Thr Pro Asp His His Thr
1 5 10 15

<210> 23

<211> 15

<212> PRT

<213> Mus musculus

<400> 23

Leu Ala Asn Ser Phe Leu Ile Ile Lys Lys Asp Leu Ser Val Cys
1 5 10 15

<210> 24
 <211> 15
 <212> PRT
 <213> Mus musculus

<400> 24
 Val Val Lys Ala Leu Gly Glu Leu Gly Ile Leu Leu Arg Trp Met
 1 5 10 15

<210> 25
 <211> 144
 <212> PRT
 <213> Mus musculus

<400> 25
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 1 5 10 15
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 20 25 30
 Leu Arg Thr Thr Glu Ser Leu Lys Asp Ile Lys Ser Leu Asp Arg Cys
 35 40 45
 Cys Phe Leu Arg His Leu Val Arg Phe Tyr Leu Asp Arg Val Phe Lys
 50 55 60
 Val Tyr Gln Thr Pro Asp His His Thr Leu Arg Lys Ile Ser Ser Leu
 65 70 75 80
 Ala Asn Ser Phe Leu Ile Ile Lys Lys Asp Leu Ser Val Cys His Ser
 85 90 95
 His Met Ala Cys His Cys Gly Glu Glu Ala Met Glu Lys Tyr Asn Gln
 100 105 110
 Ile Leu Ser His Phe Ile Glu Leu Glu Leu Gln Ala Ala Val Val Lys
 115 120 125
 Ala Leu Gly Glu Leu Gly Ile Leu Leu Arg Trp Met Glu Glu Met Leu
 130 135 140

<210> 26
 <211> 144
 <212> PRT
 <213> Homo sapiens

<400> 26
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 1 5 10 15

Ile Arg Gly Ser Val Gln Ala Lys Asp Gly Asn Ile Asp Ile Arg Ile
 20 25 30
 Leu Arg Arg Thr Glu Ser Leu Gln Asp Thr Lys Pro Ala Asn Arg Cys
 35 40 45
 Cys Leu Leu Arg His Leu Leu Arg Leu Tyr Leu Asp Arg Val Phe Lys
 50 55 60
 Asn Tyr Gln Thr Pro Asp His Tyr Thr Leu Arg Lys Ile Ser Ser Leu
 65 70 75 80
 Ala Asn Ser Phe Leu Thr Ile Lys Lys Asp Leu Arg Leu Cys His Ala
 85 90 95
 His Met Thr Cys His Cys Gly Glu Glu Ala Met Lys Lys Tyr Ser Gln
 100 105 110
 Ile Leu Ser His Phe Glu Lys Leu Glu Pro Gln Ala Ala Val Val Lys
 115 120 125
 Ala Leu Gly Glu Leu Asp Ile Leu Leu Gln Trp Met Glu Glu Thr Glu
 130 135 140

<210> 27

<211> 38

<212> PRT

<213> Homo sapiens

<400> 27

Cys Gly Glu Glu Ala Met Lys Lys Tyr Ser Gln Ile Leu Ser His Phe
 1 5 10 15

Glu Lys Leu Glu Pro Gln Ala Ala Val Val Lys Ala Leu Gly Glu Leu
 20 25 30
 Asp Ile Leu Leu Gln Trp
 35

<210> 28

<211> 71

<212> PRT

<213> Homo sapiens

<400> 28

Ile Ala Thr Asn Leu Gln Glu Ile Arg Asn Gly Phe Ser Asp Ile Arg
 1 5 10 15
 Gly Ser Val Gln Ala Lys Asp Gly Asn Ile Asp Ile Arg Ile Leu Arg
 20 25 30
 Arg Thr Glu Ser Leu Gln Asp Thr Lys Pro Ala Asn Arg Cys Cys Leu
 35 40 45

Leu Arg His Leu Leu Arg Leu Tyr Leu Asp Arg Val Phe Lys Asn Tyr
 50 55 60
 Gln Thr Pro Asp His Tyr Thr
 65 70

<210> 29
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 29
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 Gly Ser Val Gln Ala Lys Asp Gly Asn Ile Asp Ile Arg Ile Leu Arg
 20 25 30
 Arg Thr Glu Ser Leu Gln Asp Thr Lys Pro Ala Asn Arg Cys Cys Leu
 35 40 45
 Leu Arg His Leu Leu Arg Leu Tyr Leu Asp Arg Val Phe Lys Asn Tyr
 50 55 60
 Gln Thr Pro Asp His Tyr Thr Leu Arg Lys Ile Ser Ser Leu Ala Asn
 65 70 75 80
 Ser Phe Leu Thr Ile Lys Lys Asp Leu Arg Leu Cys
 85 90

<210> 30
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 30
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 20 25 30
 Leu Arg Leu Cys His Ala His Met Thr Cys His Cys Gly Glu Glu Ala
 35 40 45
 Met Lys Lys Tyr Ser Gln Ile Leu Ser His Phe Glu Lys Leu Glu Pro
 50 55 60
 Gln Ala Ala Val Val Lys Ala Leu Gly Glu Leu Asp Ile Leu Leu Gln
 65 70 75 80
 Trp Met

<210> 31

<211> 36
 <212> PRT
 <213> Homo sapiens

<400> 31
 Leu Asp Arg Val Phe Lys Asn Tyr Gln Thr Pro Asp His Tyr Thr Leu
 1 5 10 15
 Arg Lys Ile Ser Ser Leu Ala Asn Ser Phe Leu Thr Ile Lys Lys Asp
 20 25 30
 Leu Arg Leu Cys
 35

<210> 32
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 32
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 Ala His Met Thr Cys His Cys Gly Glu Glu Ala Met Lys Lys Tyr Ser
 20 25 30
 Gln Ile Leu Ser His Phe Glu Lys Leu Glu Pro Gln Ala Ala Val Val
 35 40 45
 Lys Ala Leu Gly Glu Leu Asp Ile Leu Leu Gln Trp Met
 50 55 60

<210> 33
 <211> 756
 <212> DNA
 <213> Mus musculus

<220>
 <221> CDS
 <222> (71)...(532)

<400> 33
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 Met Lys Gly Phe Gly Leu Ala Phe Gly Leu Phe Ser Ala
 1 5 10
 gtg ggt ttt ctt ctc tgg act cct tta act ggg ctc aag acc ctc cat 157

Val	Gly	Phe	Leu	Leu	Trp	Thr	Pro	Leu	Thr	Gly	Leu	Lys	Thr	Leu	His	
15						20					25					
ttg gga agc tgt gtg att act gca aac cta cag gca ata caa aag gaa	205															
Leu Gly Ser Cys Val Ile Thr Ala Asn Leu Gln Ala Ile Gln Lys Glu																
30 35 40 45																
ttt tct gag att cgg gat agt gtg tct ttg gat agg tgc tgc ttc ctt	253															
Phe Ser Glu Ile Arg Asp Ser Val Ser Leu Asp Arg Cys Cys Phe Leu																
50 55 60																
cgt cat cta gtg aga ttc tat ctg gac agg gta ttc aaa gtc tac cag	301															
Arg His Leu Val Arg Phe Tyr Leu Asp Arg Val Phe Lys Val Tyr Gln																
65 70 75																
acc cct gac cac cat acc ctg aga aag atc agc agc ctc gcc aac tcc	349															
Thr Pro Asp His His Thr Leu Arg Lys Ile Ser Ser Leu Ala Asn Ser																
80 85 90																
ttt ctt atc atc aag aag gac ctc tca gtc tgt cat tct cac atg gca	397															
Phe Leu Ile Ile Lys Lys Asp Leu Ser Val Cys His Ser His Met Ala																
95 100 105																
tgt cat tgt ggg gaa gaa gca atg gag aaa tac aac caa att ctg agt	445															
Cys His Cys Gly Glu Glu Ala Met Glu Lys Tyr Asn Gln Ile Leu Ser																
110 115 120 125																
cac ttc ata gag ttg gaa ctt cag gca gcg gtg gta aag gct ttg gga	493															
His Phe Ile Glu Leu Glu Leu Gln Ala Ala Val Val Lys Ala Leu Gly																
130 135 140																
gaa cta ggc att ctt ctg aga tgg atg gag gag atg cta tagatgaaag	542															
Glu Leu Gly Ile Leu Leu Arg Trp Met Glu Glu Met Leu																
145 150																
tggaataggct gctgagaaca ctctgtcca agaattctcag acctcagcac catgaagaca	602															
tggtcccccagg tgctggcatt tctactcaag agttccagtc ctcagcacca cgaagatggc	662															
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Met Lys Gly Phe Gly Leu Ala Phe Gly Leu Phe Ser Ala Val Gly Phe
 1           5           10           15
Leu Leu Trp Thr Pro Leu Thr Gly Leu Lys Thr Leu His Leu Gly Ser
 20           25           30
Cys Val Ile Thr Ala Asn Leu Gln Ala Ile Gln Lys Glu Phe Ser Glu
 35           40           45
Ile Arg Asp Ser Val Ser Leu Asp Arg Cys Cys Phe Leu Arg His Leu
 50           55           60
Val Arg Phe Tyr Leu Asp Arg Val Phe Lys Val Tyr Gln Thr Pro Asp
 65           70           75           80
His His Thr Leu Arg Lys Ile Ser Ser Leu Ala Asn Ser Phe Leu Ile
 85           90           95
Ile Lys Lys Asp Leu Ser Val Cys His Ser His Met Ala Cys His Cys
 100          105          110
Gly Glu Glu Ala Met Glu Lys Tyr Asn Gln Ile Leu Ser His Phe Ile
 115          120          125
Glu Leu Glu Leu Gln Ala Ala Val Val Lys Ala Leu Gly Glu Leu Gly
 130          135          140
Ile Leu Leu Arg Trp Met Glu Glu Met Leu
145          150

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<210> 35

<211> 130

<212> PRT

<213> Mus musculus

<400> 35

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Leu Lys Thr Leu His Leu Gly Ser Cys Val Ile Thr Ala Asn Leu Gln
 1           5           10           15
Ala Ile Gln Lys Glu Phe Ser Glu Ile Arg Asp Ser Val Ser Leu Asp
 20           25           30
Arg Cys Cys Phe Leu Arg His Leu Val Arg Phe Tyr Leu Asp Arg Val
 35           40           45
Phe Lys Val Tyr Gln Thr Pro Asp His His Thr Leu Arg Lys Ile Ser
 50           55           60
Ser Leu Ala Asn Ser Phe Leu Ile Ile Lys Lys Asp Leu Ser Val Cys
 65           70           75           80
His Ser His Met Ala Cys His Cys Gly Glu Glu Ala Met Glu Lys Tyr

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				85					90					95	
Asn	Gln	Ile	Leu	Ser	His	Phe	Ile	Glu	Leu	Glu	Leu	Gln	Ala	Ala	Val
			100					105					110		
Val	Lys	Ala	Leu	Gly	Glu	Leu	Gly	Ile	Leu	Leu	Arg	Trp	Met	Glu	Glu
		115					120					125			
Met	Leu														
	130														

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26

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23

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25